

09/752957
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 11:24:32 ON 02 JUL 2003

L1 23793 S BIOTIN
L2 2508 S L1 (P) (?SYNTHESIS OR SYNTHASE OR SYNTHETASE)
L3 203 S L2 (P) (YEAST OR SACCHAROMYCES OF CEREVISIAE OR PICHIA OR CAN
L4 1 S L3 AND INTEGRAT?
L5 195 S BIOTIN (2W) (SYNTHASE OR SYNTHETASE)
L6 17 S L3 AND L5
L7 2402 S YEAST AND INTEGRAT?
L8 201 S L7 AND REVIEW/DT
L9 2047 S YEAST (P) INTEGRAT?
L10 170 S L9 AND REVIEW/DT
L11 829 S YEAST (P) INTEGRAT? (P) (PLASMID OR VECTOR)
L12 17 S L11 AND REVIEW/DT

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2003:435228 CAPLUS
TI Yeast with high biotin productivity and the preparation method thereof
IN Shiuan, David
SO U.S. Pat. Appl. Publ., 20 pp.
PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 2003104584 A1 20030605 US 2001-752957 20010102
PRAI TW 2000-89120972 A 20001007

L6 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 2001:817227 CAPLUS
TI Cloning, sequences and recombinant expression of plant biotin
synthases
IN Allen, Stephen M.; Kinney, Anthony J.; Miao, Guo-hua; Orozco, Emil M.
SO U.S. Pat. Appl. Publ., 46 pp.
PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 2001039042 A1 20011108 US 2000-740288 20001219
PRAI US 1999-172929P P 19991221

L6 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 2001:320128 CAPLUS
TI Recombinant Escherichia coli and Saccharomyces cerevisiae expressing
enzymes required for production of precursors (such as methylmalonyl CoA)
needed for synthesis of polyketides
IN Santi, Daniel; Peck, Larry; Dayem, Linda; Kealey, James
PA Kosan Biosciences, Inc., USA
SO PCT Int. Appl., 97 pp.
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2001031035 A2 20010503 WO 2000-US29775 20001027
WO 2001031035 A3 20011122
EP 1224300 A2 20020724 EP 2000-972384 20001027
JP 2003512073 T2 20030402 JP 2001-533170 20001027
US 2002142401 A1 20021003 US 2001-942407 20010829
PRAI US 1999-161703P P 19991027

US 1999-161414P P 19991025
 US 2000-206082P P 20000518
 US 2000-699136 A3 20001027
 WO 2000-US29775 W 20001027

L6 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2003 ACS

AN 1999:765141 CAPLUS

TI Cloning of Schizosaccharomyces pombe bio2 by Heterologous complementation of a Saccharomyces cerevisiae mutant

AU Phalip, Vincent; Lemoine, Yves; Jeltsch, Jean-Marc

SO Current Microbiology (1999), 39(6), 348-350

L6 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2003 ACS

AN 1997:224900 CAPLUS

TI Sequence analysis of a near-subtelomeric 35.cntdot.4 kb DNA segment on the right arm of chromosome VII from Saccharomyces cerevisiae carrying the MAL1 locus reveals 15 complete open reading frames, including ZUO1, BGL2 and BIO2 genes and an ABC transporter gene

AU Volckaert, Guido; Voet, Marleen; Robben, Johan

SO Yeast (1997), 13(3), 251-259

L6 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2003 ACS

AN 1997:20404 CAPLUS

TI Analysis of a 26 756 bp segment from the left arm of yeast chromosome IV

AU Woelfl, Stefan; Hanemann, Vera; Saluz, Hans Peter

SO Yeast (1996), 12(15), 1549-1554

L6 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2003 ACS

AN 1996:596261 CAPLUS

TI Biotin synthase from Arabidopsis thaliana. cDNA isolation and characterization of gene expression

AU Patton, David A.; Johnson, Marie; Ward, Eric R.

SO Plant Physiology (1996), 112(1), 371-378

L6 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2003 ACS

AN 1996:224383 CAPLUS

TI Biotin synthesis in higher plants: Isolation of a cDNA encoding Arabidopsis thaliana bioB-gene product equivalent by functional complementation of a biotin auxotroph mutant bioB105 of Escherichia coli K12

AU Baldet, Pierre; Ruffet, Marie-Line

SO Comptes Rendus de l'Academie des Sciences, Serie III: Sciences de la Vie (1996), 319(2), 99-106

L6 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2003 ACS

AN 1996:165146 CAPLUS

TI Characterization of the cDNA and gene coding for the biotin synthase of Arabidopsis thaliana

AU Weaver, Lisa M.; Yu, Fei; Wurtele, Eve Syrkin; Nikolau, Basil J.

SO Plant Physiology (1996), 110(3), 1021-28

L6 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2003 ACS

AN 1995:739358 CAPLUS

TI The gene encoding the biotin-apoprotein ligase of Saccharomyces cerevisiae

AU Cronan, John E., Jr.; Wallace, John C.

SO FEMS Microbiology Letters (1995), 130(2-3), 221-30

birtA

L6 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2003 ACS
 AN 1994:155454 CAPLUS
 TI The gene for biotin synthase from
 ✓ Saccharomyces cerevisiae: cloning, sequencing, and
 complementation of Escherichia coli strains lacking biotin
 synthase
 AU Zhang, Shuguang; Sanyal, Indrajit; Bulboaca, Gabriella H.; Rich,
 Alexander; Flint, Dennis H.
 SO Archives of Biochemistry and Biophysics (1994), 309(1), 29-35

L6 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2003 ACS
 AN 1993:513125 CAPLUS
 TI Bioconversion of dethiobiotin to biotin by a cell-free system of a bioYB
 transformant of Bacillus sphaericus
 AU Fujisawa, Ayumi; Abe, Takaharu; Ohsawa, Ikuro; Kamogawa, Kouichi; Izumi,
 Yoshikazu
 SO FEMS Microbiology Letters (1993), 110(1), 1-4

L6 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:418952 CAPLUS
 TI Cloning of genes for the enzymes of biotin synthesis
 of Escherichia coli in expression vectors for Saccharomyces
 cerevisiae
 IN Pearson, Bruce MacKenzie; McKee, Raymond Alexander
 SO Brit. UK Pat. Appl., 52 pp.
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI GB 2216530 A1 19891011 GB 1989-6210 19890317
 GB 2216530 B2 19920708
 CA 2063758 AA 19930924 CA 1992-2063758 19920323
 PRAI GB 1988-6804 19880322

L6 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2003 ACS
 AN 1982:2708 CAPLUS
 TI Characterization of biotin biosynthetic enzymes of Bacillus sphaericus: a
 dethiobiotin producing bacterium
 AU Izumi, Yoshikazu; Kano, Yoshiaki; Inagaki, Kenji; Kawase, Naoki; Tani,
 Yoshiki; Yamada, Hideaki
 SO Agricultural and Biological Chemistry (1981), 45(9), 1983-9

L12 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 1999:688310 CAPLUS
TI Successful design and development of genetically engineered Saccharomyces yeasts for effective cofermentation of glucose and xylose from cellulosic biomass to fuel ethanol
AU Ho, Nancy W. Y.; Chen, Zhengdao; Brainard, Adam P.; Sedlak, Miroslav
SO Advances in Biochemical Engineering/Biotechnology (1999), 65(Recent Progress in Bioconversion of Lignocellulosics), 163-192

L12 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 1995:783014 CAPLUS
TI New vectors for manipulating yeast artificial chromosomes
AU Emanuel, Stuart L.; Cook, Jeffrey R.
SO Pharmaceutical Technology (1995), 19(8), 22-4, 26, 28, 30

L12 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 1995:656576 CAPLUS
TI Industrial mycology and the new genetics
AU Lemke, Paul A.
SO Journal of Industrial Microbiology (1995), 14(5), 355-64

L12 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 1995:627239 CAPLUS
TI Yeast transformation with non-replicative plasmids: different genetic alterations and the choice of the vector
AU Gjuracic, K.; Ninkovic, Milena; Koren, P.; Alacevic, Marija; Zgaga, Z.
SO Prehrambeno-Tehnoloska i Biotehnoloska Revija (1994), 32(4), 163-6

L12 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 1992:484275 CAPLUS
TI Foreign gene expression in yeast: a review
AU Romanos, Michael A.; Scorer, Carol A.; Clare, Jeffrey J.
SO Yeast (1992), 8(6), 423-88

L12 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 1990:546079 CAPLUS
TI Manipulating yeast genome using plasmid vectors
AU Stearns, Tim; Ma, Hong; Botstein, David
SO Methods in Enzymology (1990), 185(Gene Expression Technol.), 280-97

L12 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2003 ACS
AN 1987:401605 CAPLUS
TI The production of mammalian proteins in Saccharomyces cerevisiae
AU Kingsman, S. M.; Kingsman, A. J.; Mellor, J.
SO Trends in Biotechnology (1987), 5(2), 53-7